

App. Serial No.: 10/825,510
Amendment: March 20, 2007

Amendments to the Claims:

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The claims in this listing will replace all prior claims in the application.

1. (canceled)
2. (canceled)
3. (canceled)
4. (previously presented) A pistol with lockable manual safety mechanism lock comprising:
a frame;
a hammer pivotally mounted to the frame;
a sear engageable with the hammer, the sear operable to hold the hammer in a cocked position and further to release the hammer from the cocked position to discharge the pistol;
a manual safety movable into and out of engagement with the sear, the safety when engaged with the sear to prevent the sear from moving and releasing the hammer while held in the cocked position by the sear; and
a locking member movable from an unlocked position in which the safety is freely movable, to a locked position in which the locking member engages the safety so that the safety cannot freely move and is locked into engagement with the sear while the hammer is held in the cocked position by the sear;
wherein the safety further comprises a concave locking surface and the locking member further comprises a complimentary configured meshing convex engaging surface, the locking member surface meshing with the engaging surface when the locking member is in the locked position.
5. (previously presented) The pistol of claim 4, further comprising a housing to carry the locking member, the locking member movable in the housing and recessed within the housing when in the unlocked position, and the locking member protruding outward from the housing to engage the safety when in the locked position.

App. Serial No.: 10/825,510
Amendment: March 20, 2007

6. (original) The pistol of claim 5, wherein the locking member is rotatably carried by the housing and movable in a lateral direction between the locked and unlocked positions.
7. (previously presented) A pistol with lockable manual safety mechanism lock comprising:
a frame;
a longitudinally-extending barrel carried by the frame;
a hammer pivotally mounted to the frame;
a sear engageable with the hammer, the sear operable to hold the hammer in a cocked position and further to release the hammer from the cocked position to discharge the pistol;
a manual safety movable into and out of engagement with the sear, the safety when engaged with the sear to prevent the sear from moving and releasing the hammer while held in the cocked position by the sear;
a locking member movable from an unlocked position in which the safety is freely movable, to a locked position in which the locking member engages the safety so that the safety cannot freely move and is locked into engagement with the sear while the hammer is held in the cocked position by the sear; and
a housing to carry the locking member, the locking member movable in the housing and recessed within the housing when in the locked position, and the locking member protruding outward from the housing to engage the safety when in the locked position, the locking member rotatably carried by the housing and movable in a lateral direction between the locked and unlocked positions, the locking member having external threads and the housing having an internally-threaded passageway to rotatably receive the locking member.
8. (previously presented) The pistol of claim 7, further comprising the pistol including a longitudinally-extending barrel coupled to the frame, wherein the threaded passageway is oriented transversely to the barrel in the pistol.
9. (previously presented) A pistol with lockable manual safety mechanism lock comprising:
a frame;
a hammer pivotally mounted to the frame;
a sear engageable with the hammer, the sear operable to hold the hammer in a cocked

App. Serial No.: 10/825,510
Amendment: March 20, 2007

position and further to release the hammer from the cocked position to discharge the pistol;

a manual safety movable into and out of engagement with the sear, the safety when engaged with the sear to prevent the sear from moving and releasing the hammer while held in the cocked position by the sear;

a locking member movable from an unlocked position in which the safety is freely movable, to a locked position in which the locking member engages the safety so that the safety cannot freely move and is locked into engagement with the sear while the hammer is held in the cocked position by the sear; and

a housing to carry the locking member, the locking member movable in the housing and recessed within the housing when in the locked position, and the locking member protruding outward from the housing to engage the safety when in the locked position, the locking member rotatably carried by the housing and movable in a lateral direction between the locked and unlocked positions; and

a spring-loaded detent plunger, the locking member having a shaft configured to engage the plunger, the plunger biased toward and engaging the shaft so that the locking member resists rotation unless manually rotated by a pistol user.

10. (original) The pistol of claim 9, wherein the shaft includes at least one flat surface to engage a complimentary flat surface on the detent plunger.

11. (previously presented) The pistol of claim 9, wherein the locking member is operated with a key by a user to move the locking member between the locked and unlocked positions.

12. (canceled)

13. (previously presented) A pistol with lockable manual safety mechanism lock comprising:
a frame;
a hammer pivotally mounted to the frame;
a sear engageable with the hammer and having a protrusion, the sear operable to hold the hammer in a cocked position and further to release the hammer from the cocked position to discharge the pistol;

App. Serial No.: 10/825,510
Amendment: March 20, 2007

a safety lever movable into and out of engagement with the sear, the lever having a hook to engage the sear protrusion and a locking surface, the lever when engaged with the sear preventing the sear from moving and releasing the hammer while held in the cocked position by the sear; and

a rotatable lock pin having an engaging surface, the lock pin movable in a lateral direction by a pistol user to mesh the engaging surface with the locking surface of the lever;

wherein the lever may be locked into engagement with the sear while the hammer is held in the cocked position by the sear to prevent the sear from releasing the hammer;

wherein the locking surface of the lever is concave and the engaging surface of the lock pin is convex.

14. (previously presented) A pistol with lockable manual safety mechanism lock comprising:
a frame;

a hammer pivotally mounted to the frame;

a sear engageable with the hammer and having a protrusion, the sear operable to hold the hammer in a cocked position and further to release the hammer from the cocked position to discharge the pistol;

a lever movable into and out of engagement with the sear, the lever having a hook to engage the sear protrusion and a locking surface, the lever when engaged with the sear preventing the sear from moving and releasing the hammer while held in the cocked position by the sear; and

a rotatable lock pin having an engaging surface, the lock pin movable in a lateral direction by a pistol user to mesh the engaging surface with the locking surface of the lever;

wherein the lever may be locked into engagement with the sear while the hammer is held in the cocked position by the sear to prevent the sear from releasing the hammer;

wherein the lock pin is laterally oriented and threadably disposed in the frame such that rotating the lock pin in opposite directions laterally moves the lock pin with respect to the frame both into and out of engagement with the lever.

App. Serial No.: 10/825,510
Amendment: March 20, 2007

15. (original) The pistol of claim 14, further comprising a key having an end configured to engage a complimentary-configured recess in the lock pin, the key useable by the pistol user to rotate the lock pin and lock the lever into engagement with the sear.
16. (original) The pistol of claim 13, wherein the lock pin further comprises a shaft having a diameter and two ends, and a first radially-protruding cylindrical flange disposed on one end of the shaft, the flange having a diameter larger than the diameter of the shaft, the flange including the engaging surface disposed thereon.
17. (original) The pistol of claim 16, further comprising a housing having an internally threaded passageway and the flange having external threads to engage the threaded passageway, the lock pin movable from a first lateral position in which the lock pin is recessed within the housing to a second lateral position in which the lock pin protrudes outward from the housing to engage the safety.
18. (original) The pistol of claim 17, further comprising a detent plunger biased into contact with the lock pin shaft, and the lock pin further comprising a second radially-protruding cylindrical flange disposed on the other end of the shaft and spaced apart from the first flange, the plunger trapped between the two flanges to prevent the lock pin from being laterally unthreaded and removed from the housing without disassembling the pistol.
19. (previously presented) The pistol of claim 14, further comprising a key configured to engage the lock pin and useable by a pistol user to move the lock pin.
20. (canceled)
21. (canceled)
22. (canceled)